



PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

JFW

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/560,658

Filing Date

December 13, 2005

First Named Inventor

Alan Robert CHAPMAN

Art Unit

1748

Examiner Name

Attorney Docket Number

M8540/323808

ENCLOSURES (check all that apply)☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/
Incomplete Application☐ Reply to Missing Parts
under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board
of Appeals and Interferences☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s)
(please identify below):

1. Form PTO/SB/08 (04 sheets)

2. 48 publications

Remarks**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm

Kilpatrick Stockton LLP

Signature

Printed Name

Bruce D. Gray

Date

20 Sept 2006

Reg.
No.

35,799

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a first class envelope with sufficient postage addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

Typed or printed name

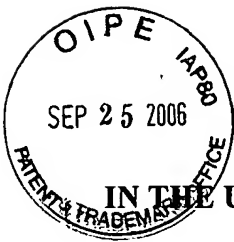
Angela M. Rossi

Date

21 SEPTEMBER 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Alan Robert CHAPMAN, et al.

Serial

Number: 10/560,658

Group Art Unit: 1746

Filing Date: December 13, 2005

Examiner:

Title: FLOW FIELD PLATE GEOMETRIES

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Attorney Docket No.: M8540/323808
Date: 20 SEPTEMBER 2006

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with Rules 56, 97 and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), the publications listed on the modified Form PTO/SB/08 are cited for consideration by the Examiner. Copies of the non-U.S. patent documents are enclosed.

Submission of the references provided in this Information Disclosure is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specially designated as such. Also, in accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

This Information Disclosure Statement is being filed pursuant to 37 C.F.R. 1.97(b), before issuance of a first Office action on the merits. Applicants believe that no fee is due for

U.S. Patent Application Serial No. 10/560,658
Filed: December 13, 2005
INFORMATION DISCLOSURE STATEMENT

submission and consideration of this paper. The Commissioner is authorized to charge any fees associated with this filing to Deposit Account No. 11-0855.

Respectfully submitted,



Bruce D. Gray
Reg. No. 35,799

KILPATRICK STOCKTON LLP
Suite 2800, 1100 Peachtree Street
Atlanta, Georgia 30309-4530
(404) 815-6218

SEP 25 2006

PTO/SB/08b(05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449, 10/1/00

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/560,658
Filing Date	13 December 2005
First Named Inventor	Alan Robert CHAPMAN
Group Art Unit	1746
Examiner Name	
Attorney Docket Number	M8540/323808

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US2001/0005557	06-28-2001	Yosida, <i>et al.</i>	
		US2002/0192531	12-19-2002	Zimmerman, <i>et al.</i>	
		US2003/0108782	06-12-2003	Leger, <i>et al.</i>	
		US2004/0023100 A1	02-05-2004	Boff, <i>et al.</i>	
		US2004/0058218	03-25-2004	Abderrahmane, <i>et al.</i>	
		US2005/0221152 A1	10-06-2005	Turpin	
		US3278336	10-11-1966	Uline, <i>et al.</i>	
		US3814631	06-04-1974	Warszawski <i>et al.</i>	
		US5108849	04-28-1992	Watkins, <i>et al.</i>	
		US5230966	07-27-1993	Voss, <i>et al.</i>	
		US5269902	12-14-1993	Khandkar, <i>et al.</i>	
		US5376472	12-27-1994	Hartvigsen, <i>et al.</i>	
		US5514486	05-07-1996	Wilson	
		US5595834	01-21-1997	Wilson, <i>et al.</i>	
		US5641586	06-24-1997	Wilson	
		US5686199	11-11-1997	Cavalea, <i>et al.</i>	
		US5728446	03-17-1998	Johnston, <i>et al.</i>	
		US5773160	06-30-1998	Wilkinson, <i>et al.</i>	
		US6007933	12-28-1999	Jones	
		US6037073	03-14-2000	Besmann, <i>et al.</i>	
		US6071635	06-06-2000	Carlstrom, Jr.	
		US6087033	07-11-2000	Grüne, <i>et al.</i>	
		US6207312	03-27-2001	Wynne, <i>et al.</i>	
		US6361892	03-26-2002	Ruhl, <i>et al.</i>	
		US6555261	04-29-2003	Lewinski, <i>et al.</i>	
		US6569554	05-27-2003	Doggwiler, <i>et al.</i>	
		US6686082	02-03-2004	Leger, <i>et al.</i>	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known

Application Number	10/560,658
Filing Date	13 December 2005
First Named Inventor	Alan Robert CHAPMAN
Group Art Unit	1746
Examiner Name	
Attorney Docket Number	M8540/323808

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US7067213	06-27-2006	Boff	

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO00/26981	05-11-2000	Lewinski, <i>et al</i>		
		WO00/41260	07-13-2000	Gibb		
		WO01/04982	01-18-2001	Rowen, <i>et al.</i>		
		WO01/31728	05-03-2001	Piasecik, <i>et al.</i>		
		WO01/41231	06-07-2001	Anmelder, <i>et al.</i>		Abstr
		WO01/41239	06-07-2001	Ruhl, <i>et al.</i>		
		WO01/89019	11-22-2001	Eck, <i>et al.</i>		
		WO02/065566	08-22-2002	Boff, <i>et al.</i>		
		WO02/069426	09-06-2002	Abdou, <i>et al.</i>		
		WO02/090053	11-14-2002	Turpin		
		WO02/17419	02-28-2002	Piasecik, <i>et al.</i>		
		WO02/37592	05-10-2002	Gurau, <i>et al.</i>		
		WO03/096453	11-20-2003	Sasahara, <i>et al.</i>		
		WO03/096454	11-20-2003	Sasahara, <i>et al.</i>		
		WO03/096455	11-20-2003	Sasahara, <i>et al.</i>		
		WO03/096466	11-20-2003	Sasahara, <i>et al.</i>		
		WO2004/001874	12-31-2003	Turpin, <i>et al.</i>		
		WO2004/114446	12-29-2004	Chapman, <i>et al.</i>		
		WO94/11912	05-26-1994	Wilkinson, <i>et al.</i>		
		WO94/21372	09-29-1994	Ashmead, <i>et al.</i>		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 4

Complete if Known

Application Number	10/560,658
Filing Date	13 December 2005
First Named Inventor	Alan Robert CHAPMAN
Group Art Unit	1746
Examiner Name	
Attorney Docket Number	M8540/323808

FOREIGN PATENT DOCUMENTS

Examine r Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO97/42672	11-13-1997	Cavalca, <i>et al.</i>		
		WO97/50139	12-31-1997	Mukohyama, <i>et al.</i>		
		WO98/52242	11-19-1998	Yasuo, <i>et al.</i>		Abstr
		WO99/09923	03-04-1999	Johnston <i>et al.</i>		
		CA2327962	06-11-2002	McDonald, <i>et al.</i>		
		DE10038589	02-28-2002	Stefan <i>et al.</i>		N/A
		EP0328115	08-16-1989	Kunz		
		EP0999605	05-10-2000	Wariishi, <i>et al.</i>		
		EP1017344	07-12-2000	Johnston, <i>et al.</i>		
		EP1020942	07-19-2000	Yasuo, <i>et al.</i>		
		EP1215743	06-19-2002	Keegan		
		GB2145225	03-20-1985	Uchihashi, <i>et al.</i>		
		GB2372143	08-14-2002	Turpin, <i>et al.</i>		
		GB2372144	08-14-2002	Turpin		
		GB2372626	08-28-2002	Begg, <i>et al.</i>		
		GB2375222	11-06-2002	Turpin		
		GB2387476	10-15-2003	Turpin		
		GB2403061	12-22-2004	Chapman, <i>et al.</i>		
		JP 10 032012	02-03-1998	Takashi		Abstr

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known

Application Number	10/560,658
Filing Date	13 December 2005
First Named Inventor	Alan Robert CHAPMAN
Group Art Unit	1746
Examiner Name	
Attorney Docket Number	M8540/323808

FOREIGN PATENT DOCUMENTS

Examine r Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP11 016590	01-22-1999	Koji		Abstr
		JP11 016591	01-22-1999	Eiichi		Abstr
		JP3-276569	12-06-1991	Oka		Yes
		JP58-164156	9-29-1983	Yasuo, <i>et al.</i>		Abstr
		JP61-256568	11-14-1986	Sakai		Yes
		JP6-267564	9-22-1994	Katsuo		Abstr
		JP64-63271	03-09-1989	Kubo		Yes
		JP7-288133	10-31-1995	Tatsuya		Abstr
		JP8-45520	2-16-1996	Futoshi, <i>et al.</i>		Abstr

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.